

SEVERN
TRENT
SERVICES

STL Los Angeles

1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: (714) 258-8610
Fax: (714) 258-0921

www.stl-inc.com

November 29, 2000

STL LOT NUMBER: E0K170321

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the 10 samples received under chain of custody by STL Los Angeles on November 17, 2000. These samples are associated with your Boeing Parcel C; C-6 project.

All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page. Matrix related anomalies are footnoted within the report.

This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,



Diane Suzuki
Project Manager

cc: Project File

LOT NUMBER E0K170321

Nonconformance E01148

Affected Samples:

- 1: Source-E-111700-1
- 2: Source-E-111700-2
- 3: Source-E-111700-3
- 4: Source-E-111700-4
- 5: Source-E-111700-5
- 6: Source-E-111700-6
- 7: Source-E-111700-7
- 8: Source-E-111700-8
- 9: Source-E-111700-9
- 10: Source-E-111700-10

Affected Methods:

TEPH 8015B

Case Narrative:

The opening and closing standards were out high for retention marker however the diesel standard is within the acceptable range. The results are reported as measured.

000602

BOE-C6-0168475



Committed To Your Success

SEVERN TRENT LABORATORIES

CHAIN OF CUSTODY RECORD

No. 203077

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

CUSTOMER INFORMATION		PROJECT INFORMATION		BILLING INFORMATION				
COMPANY:	Jenner/Jenks	PROJECT NAME/NUMBER:	Bethany C-6 / 804034,00	BILL TO:	Boeing			
SEND REPORT TO:	Jay Knight	ADDRESS:	2151 Michaelson Drive, 100	ADDRESS:	Truline, CA 92612			
PHONE:	949-261-1577	PHONE:		PO NO.:				
FAX:	949-261-2134	FAX:		LAB JOB NO.				
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PREERV.	REMARKS/PRECAUTIONS	
Source - E - 111700 - 1	11-17-00	100	500	bottle	ice	1	X X X	
Source - E - 111700 - 2				1125			X X X	
Source - E - 111700 - 3				1110			X X X	
Source - E - 111700 - 4				1115			X X X	
Source - E - 111700 - 5				1120			X X X	
Source - E - 111700 - 6				1126			X X X	
Source - E - 111700 - 7				1130			X X X	
Source - E - 111700 - 8				1135			X X X	
Source - E - 111700 - 9				1140			X X X	
Source - E - 111700 - 10				1145			X X X	
SAMPLER:	SHIPMENT METHOD:						AIRBILL NO.:	
REQUIRED TURNAROUND*	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 24 HOURS	<input checked="" type="checkbox"/> 48 HOURS	<input type="checkbox"/> 72 HOURS	<input type="checkbox"/> 5 DAYS	<input type="checkbox"/> 10 DAYS	<input type="checkbox"/> ROUTINE	<input type="checkbox"/> OTHER
1. RELINQUISHED BY:	DATE		2. RELINQUISHED BY:	DATE		3. RELINQUISHED BY:	DATE	
SIGNATURE: Jay Knight	TIME: 1/17-00		SIGNATURE: Jason	TIME: 1/17-00		SIGNATURE:	TIME	
PRINTED NAME/COMPANY: Jay Knight			PRINTED NAME/COMPANY:			PRINTED NAME/COMPANY:		
1. RECEIVED BY:	DATE		2. RECEIVED BY:	DATE		3. RECEIVED BY:	DATE	
SIGNATURE:			SIGNATURE:			SIGNATURE:		
PRINTED NAME/COMPANY:	TIME		PRINTED NAME/COMPANY:	TIME		PRINTED NAME/COMPANY:	TIME	

000003

BOE-C6-0168476

SEVERN TRENT LABORATORIES

1721 South Mand Avenue

Santa Ana 92705

Phone: (714) 258-8610 / Fax: (714) 258-0921

SEVERN TRENT
LABORATORIES, INC.
STANDARD TERMS
AND CONDITIONS

ACCEPTANCE. Severn Trent Laboratories, Inc. (hereafter referred to as "STL") offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if STL and the Customer shall have executed a separate agreement in writing. If specific Terms are not incorporated in the separate agreement those Terms will apply to the Customer. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of STL. Customer's order for services shall be subject to the Terms and the Terms shall be binding upon receipt of samples to STL. Either party may terminate this agreement at any time by giving written notice of such termination to the other party. Upon termination the customer is subject to payment for all services rendered and expenses incurred up to date in accordance with the applicable Price Schedule.

INSURANCE. STL maintains insurance coverage with minimum limits as follows: (a) Comprehensive General Liability- \$1,000,000 each occurrence \$2,000,000 annual aggregate; (b) Comprehensive Automotive Liability Bodily Injury and Property Damage- \$1,000,000 each occurrence. (c) Workman's Compensation- \$500,000 each occurrence and \$500,000 each employee; STL and Customer agree to furnish the other, upon request, certificates attesting to the existence of insurance coverage.

INDEPENDENT CONTRACTOR. STL's relationship with Customer under this agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate STL, or any of its employees or subcontractors, as employees, joint venturers or partners of Customer.

SUBCONTRACTING. STL shall have the right to subcontract any and all services, duties, and obligations hereunder, in whole or in part with the consent of the Customer in a timely response which shall not be unreasonably refused. Subcontractor shall be bound by the same Terms of performance as STL.

BILLING. All fees are charged or billed directly to the Customer. The billing of a third party will not be accepted without a statement, signed by the third party, which acknowledges and accepts payment responsibility.

PAYMENT. Payment in advance is required for all Customers except those whose credit has been established with STL. Customers with STL approved credit, terms are Net 30 days, after which time a 1-1/2% per month late charge is added to all unpaid balances. Failure of the Customer to pay according to Terms gives STL the right to withhold delivery of future data until all past due invoices have been settled. Customer shall pay all costs and expenses incident to the collection of past due amounts, including reasonable attorney's fees. No retainage of fees by the customer is allowed without the consent of STL.

MODIFICATIONS. If the sample received is of unknown character than in the original quote, or if due to the composition of the sample the original procedure specified is not practicable or likely to produce reliable results, Customer will be promptly notified. Modified procedures will be suggested and STL may quote new prices for such modifications. Upon agreement of such modification, the original quote shall be deemed amended and the samples in question shall be deemed to have been received.

TIME OF PERFORMANCE. STL will use its best efforts to comply with storage, processing and analytical time limits requested by the Customer. Unless specifically agreed to in writing between STL and Customer, the time performance of any testing or other services performed by STL under this agreement is not guaranteed and STL shall have no liability for failure to perform such services within the time requested. Quick turnaround times are available at a premium cost which will be defined in the quote, providing STL workload availability.

LIMITATION OF DAMAGES. STL is not an insurer of services rendered and the payments mentioned are based solely on the value of the services provided pursuant to this agreement. STL's liability to the Customer and the Customer's exclusive remedy for any cause of action alleged against STL, whether based in contract, tort, or otherwise, shall be limited solely to the amount paid by the Customer for the services performed. In no event shall STL be liable for incidental or consequential damages including, without limitation, business interruption, loss of use, or loss of profits incurred by the Customer, its subsidiaries, affiliates, successors or assigns, arising out of or related to this agreement or the performance of services hereunder.

WARRANTY. STL makes no warranty or representation, express or implied, or guarantee of results from the performance of services pursuant to this Agreement. Any information, recommendation, interpretation, or opinion by STL is

based upon inferences and assumptions which are subject to error, and with respect to which analysis may differ. Accordingly, STL does not assume any liability with respect to the use of, or for damages resulting from the use of, any information, data, test results, analysis, apparatus, method, or process disclosed by STL. STL makes no presentation or warranty of any kind, including but not limited to, the warranties of fitness for a particular purpose or merchantability, nor are any such warranties to be implied with respect to the data or service furnished. STL assumes no responsibility with respect to Customer's use thereof.

LIMITATION ACTION. No action, regardless of form, arising out of or brought in connection with any services provided under this Agreement may be brought by the Customer more than one year after the performance of said services by STL. It is expressly agreed that STL shall have no liability to Customer unless that liability arises out of the willful misconduct or gross negligence of STL or its duly authorized employees.

CONFIDENTIALITY. Data and the sample materials provided by Customer or at Customer's request and the result obtained by STL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Customer has failed to pay STL for all services rendered or is otherwise in breach of this Agreement) subject to any disclosure required by law or legal process. STL's reports and the data and information provided therein are for the exclusive use and benefit of Customer and Customer agrees there shall be no third party beneficiary of such reports, data, or information. Customer will not disclose to any third party any information concerning STL's technical information, software programs, or other formulations.

SEVERABILITY. The provisions of this Agreement shall be severable, and if any clause, sentence, paragraph, provision or other part hereof shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder hereof, which remainder shall continue in full force and effect.

WAIVER. No waiver by either party of any breach, default or violation of any term, warranty, representation, agreement, covenant, condition or provision hereof shall constitute a waiver of any subsequent breach, default or violation of the same or any other term, warranty, representation, agreement, covenant, condition or provision hereof. All waivers must be in writing.

FORCE MAJEURE. Obligation of either party under this Agreement shall be suspended, and such party shall not be liable for damages or other remedies while such party is prevented from complying therewith, in whole or in part, due to contingencies beyond its reasonable control, including, but not limited to, strikes, riots, war, fire, act of God, injunction, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality, matrix interference or unknown highly contaminated samples that impact instrument operations thereof, whether now existing or hereafter created, inability to secure materials or obtain necessary permits, provided, however, the party so prevented from complying with its obligations hereunder shall promptly notify the other party thereof.

LITIGATION. All costs associated with compliance to any subpoena for documents, for testimony in court of law, or for any other purpose relating to work performed by STL, in connection with work performed for the Customer, shall be paid by the Customer. Such costs shall include, but are not limited to, hourly charges for persons involved in responding to subpoenas, travel and accommodations, mileage, attorney's preparation of testifier and advice of counsel in connection with response to subpoenas, and all other expenses deemed reasonable and associated with said litigation.

HAZARDOUS WASTE. Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the Customer upon completion of the analytical work. The cost of returning the sample may be invoiced to the Customer. The sample portions thereof remain the property of the Customer at all times. All radioactive or dioxin containing samples will be returned to the sampling site or to the Customer at the Customer's expense.

RETENTION OF SAMPLES. All routine samples are retained in our storage facilities for 30 days after report generation unless prior arrangements have been made. Samples may be held longer per Customers request for an additional fee.

RETENTION OF REPORTS. STL shall retain copies of analytical reports for a period of 5 years after report date, after which such reports may be destroyed or returned to the Customer at Customers expense. If Customer requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

COMPLIANCE WITH LAW. In the performance of all services to be provided hereunder, STL and Customer agree to comply with all applicable Federal, State and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority.

APPLICABLE LAW. The validity, performance and construction of this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware.

**STL – LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 11/12/00

Quantum Lot #: FOK170321

Client Name: Kennedy Jenks

Received by: Deepti

Delivered by : Client Airborne Fed Ex
 UPS DES Other

Quote #: 38629

Project: Boeing

Date/Time Received: 11/17/00 14:30

DHL Ultra-Ex Rey B.

Initial / Date

Custody Seal Status: Intact Broken None

Custody Seal #(s): _____ No Seal #

Sample Container(s): STL-LA Client N/A

Temperature(s) (COOLER/BLANK) in °C: 20°C (CORRECTED TEMP).....

Thermometer Used : AIR (Intra-red) Digital (Probe)

Samples: Intact Broken Other

No Yes (See Clouseau)

Annotations: *[Handwritten annotations]* **Page:** 15 **Date:** [Redacted] **Entered:** [Redacted]

Labeling checked by A.B.

Turn Around Time: RUSH-24HR RUSH-48HR RUSH-72HR NORMAL

Short-Hold Notification: Ph Wet Chem Metals (Filter/Pres) Encore N/A ...

Outside Analysis(es) (Test/Lab/Date Sent Out) : - None

***** LEAVE NO BLANK SPACES : USE N/A *****

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: *Ba colta* 11/17/00 REVIEWED BY/DATE:

000604

EXECUTIVE SUMMARY - Detection Highlights

E0K170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-1 11/17/00 11:00 001				
C24-C27	81 J	100	mg/kg	SW846 8015B
C28-C31	150	100	mg/kg	SW846 8015B
C32-C35	180	100	mg/kg	SW846 8015B
C36-C39	190	100	mg/kg	SW846 8015B
Total Carbon Chain Range	670	100	mg/kg	SW846 8015B
Mercury	0.069 B	0.10	mg/kg	SW846 7471A
Aluminum	10800	20.0	mg/kg	SW846 6010B
Arsenic	5.5	1.0	mg/kg	SW846 6010B
Antimony	0.24 B	6.0	mg/kg	SW846 6010B
Barium	107	2.0	mg/kg	SW846 6010B
Cadmium	0.94	0.50	mg/kg	SW846 6010B
Chromium	17.7	1.0	mg/kg	SW846 6010B
Beryllium	0.36 B	0.50	mg/kg	SW846 6010B
Lead	40.3	0.50	mg/kg	SW846 6010B
Cobalt	6.9	5.0	mg/kg	SW846 6010B
Copper	21.8	2.5	mg/kg	SW846 6010B
Molybdenum	1.6 B	4.0	mg/kg	SW846 6010B
Nickel	17.3	4.0	mg/kg	SW846 6010B
Vanadium	35.1	5.0	mg/kg	SW846 6010B
Zinc	95.0	2.0	mg/kg	SW846 6010B
Source-E-111700-2 11/17/00 11:25 002				
C24-C27	89 J	100	mg/kg	SW846 8015B
C28-C31	170	100	mg/kg	SW846 8015B
C32-C35	210	100	mg/kg	SW846 8015B
C36-C39	250	100	mg/kg	SW846 8015B
C40+	56 J	100	mg/kg	SW846 8015B
Total Carbon Chain Range	860	100	mg/kg	SW846 8015B
Mercury	0.073 B	0.10	mg/kg	SW846 7471A
Aluminum	11000	20.0	mg/kg	SW846 6010B
Arsenic	5.3	1.0	mg/kg	SW846 6010B
Barium	119	2.0	mg/kg	SW846 6010B
Cadmium	0.82	0.50	mg/kg	SW846 6010B
Chromium	17.4	1.0	mg/kg	SW846 6010B
Beryllium	0.36 B	0.50	mg/kg	SW846 6010B
Lead	31.2	0.50	mg/kg	SW846 6010B
Cobalt	8.0	5.0	mg/kg	SW846 6010B
Copper	32.0	2.5	mg/kg	SW846 6010B
Molybdenum	0.94 B	4.0	mg/kg	SW846 6010B
Nickel	17.8	4.0	mg/kg	SW846 6010B
Vanadium	36.2	5.0	mg/kg	SW846 6010B
Zinc	71.3	2.0	mg/kg	SW846 6010B

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000005

EXECUTIVE SUMMARY - Detection Highlights

EOK170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-3 11/17/00 11:10 003				
C20-C23	59 J	100	mg/kg	SW846 8015B
C24-C27	120	100	mg/kg	SW846 8015B
C28-C31	230	100	mg/kg	SW846 8015B
C32-C35	290	100	mg/kg	SW846 8015B
C36-C39	370	100	mg/kg	SW846 8015B
Total Carbon Chain Range	1200	100	mg/kg	SW846 8015B
Mercury	0.066 B	0.10	mg/kg	SW846 7471A
Aluminum	13800	20.0	mg/kg	SW846 6010B
Arsenic	6.0	1.0	mg/kg	SW846 6010B
Antimony	0.23 B	6.0	mg/kg	SW846 6010B
Barium	140	2.0	mg/kg	SW846 6010B
Cadmium	1.9	0.50	mg/kg	SW846 6010B
Chromium	22.5	1.0	mg/kg	SW846 6010B
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B
Lead	48.6	0.50	mg/kg	SW846 6010B
Cobalt	8.7	5.0	mg/kg	SW846 6010B
Copper	34.4	2.5	mg/kg	SW846 6010B
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B
Nickel	19.7	4.0	mg/kg	SW846 6010B
Vanadium	41.2	5.0	mg/kg	SW846 6010B
Zinc	728	4.0	mg/kg	SW846 6010B
Source-E-111700-4 11/17/00 11:15 004				
C24-C27	93 J	100	mg/kg	SW846 8015B
C28-C31	180	100	mg/kg	SW846 8015B
C32-C35	220	100	mg/kg	SW846 8015B
C36-C39	250	100	mg/kg	SW846 8015B
Total Carbon Chain Range	830	100	mg/kg	SW846 8015B
Mercury	0.087 B	0.10	mg/kg	SW846 7471A
Aluminum	14500	20.0	mg/kg	SW846 6010B
Arsenic	5.9	1.0	mg/kg	SW846 6010B
Antimony	0.47 B	6.0	mg/kg	SW846 6010B
Barium	146	2.0	mg/kg	SW846 6010B
Cadmium	1.1	0.50	mg/kg	SW846 6010B
Chromium	23.5	1.0	mg/kg	SW846 6010B
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B
Lead	33.5	0.50	mg/kg	SW846 6010B
Cobalt	9.6	5.0	mg/kg	SW846 6010B
Copper	37.6	2.5	mg/kg	SW846 6010B
Molybdenum	1.0 B	4.0	mg/kg	SW846 6010B
Nickel	21.5	4.0	mg/kg	SW846 6010B
Vanadium	42.2	5.0	mg/kg	SW846 6010B

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000006

EXECUTIVE SUMMARY - Detection Highlights

EOK170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-4 11/17/00 11:15 004				
Zinc	92.5	2.0	mg/kg	SW846 6010B
Source-E-111700-5 11/17/00 11:20 005				
C24-C27	83 J	100	mg/kg	SW846 8015B
C28-C31	150	100	mg/kg	SW846 8015B
C32-C35	210	100	mg/kg	SW846 8015B
C36-C39	250	100	mg/kg	SW846 8015B
Total Carbon Chain Range	760	100	mg/kg	SW846 8015B
Mercury	0.073 B	0.10	mg/kg	SW846 7471A
Aluminum	13600	20.0	mg/kg	SW846 6010B
Arsenic	5.4	1.0	mg/kg	SW846 6010B
Antimony	0.25 B	6.0	mg/kg	SW846 6010B
Barium	130	2.0	mg/kg	SW846 6010B
Cadmium	1.2	0.50	mg/kg	SW846 6010B
Chromium	23.2	1.0	mg/kg	SW846 6010B
Beryllium	0.43 B	0.50	mg/kg	SW846 6010B
Lead	52.4	0.50	mg/kg	SW846 6010B
Cobalt	9.4	5.0	mg/kg	SW846 6010B
Copper	28.3	2.5	mg/kg	SW846 6010B
Molybdenum	1.1 B	4.0	mg/kg	SW846 6010B
Nickel	21.3	4.0	mg/kg	SW846 6010B
Vanadium	42.4	5.0	mg/kg	SW846 6010B
Zinc	83.8	2.0	mg/kg	SW846 6010B
Source-E-111700-6 11/17/00 11:25 006				
C24-C27	65 J	100	mg/kg	SW846 8015B
C28-C31	120	100	mg/kg	SW846 8015B
C32-C35	150	100	mg/kg	SW846 8015B
C36-C39	160	100	mg/kg	SW846 8015B
Total Carbon Chain Range	570	100	mg/kg	SW846 8015B
Mercury	0.14	0.10	mg/kg	SW846 7471A
Aluminum	12700	20.0	mg/kg	SW846 6010B
Arsenic	9.3	1.0	mg/kg	SW846 6010B
Barium	134	2.0	mg/kg	SW846 6010B
Cadmium	1.2	0.50	mg/kg	SW846 6010B
Chromium	21.4	1.0	mg/kg	SW846 6010B
Beryllium	0.41 B	0.50	mg/kg	SW846 6010B
Lead	58.5	0.50	mg/kg	SW846 6010B
Cobalt	8.2	5.0	mg/kg	SW846 6010B
Copper	32.5	2.5	mg/kg	SW846 6010B
Molybdenum	1.9 B	4.0	mg/kg	SW846 6010B

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000007

EXECUTIVE SUMMARY - Detection Highlights

E0K170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-6 11/17/00 11:25 006				
Nickel	20.5	4.0	mg/kg	SW846 6010B
Vanadium	39.8	5.0	mg/kg	SW846 6010B
Zinc	135	2.0	mg/kg	SW846 6010B
Source-E-111700-7 11/17/00 11:30 007				
C20-C23	58 J	100	mg/kg	SW846 8015B
C24-C27	140	100	mg/kg	SW846 8015B
C28-C31	260	100	mg/kg	SW846 8015B
C32-C35	400	100	mg/kg	SW846 8015B
C36-C39	300	100	mg/kg	SW846 8015B
C40+	100	100	mg/kg	SW846 8015B
Total Carbon Chain Range	1300	100	mg/kg	SW846 8015B
Mercury	0.075 B	0.10	mg/kg	SW846 7471A
Aluminum	11600	20.0	mg/kg	SW846 6010B
Arsenic	4.3	1.0	mg/kg	SW846 6010B
Antimony	0.38 B	6.0	mg/kg	SW846 6010B
Barium	111	2.0	mg/kg	SW846 6010B
Cadmium	0.82	0.50	mg/kg	SW846 6010B
Chromium	19.6	1.0	mg/kg	SW846 6010B
Beryllium	0.39 B	0.50	mg/kg	SW846 6010B
Lead	36.5	0.50	mg/kg	SW846 6010B
Cobalt	7.9	5.0	mg/kg	SW846 6010B
Copper	47.6	2.5	mg/kg	SW846 6010B
Molybdenum	0.93 B	4.0	mg/kg	SW846 6010B
Nickel	18.2	4.0	mg/kg	SW846 6010B
Vanadium	38.0	5.0	mg/kg	SW846 6010B
Zinc	82.7	2.0	mg/kg	SW846 6010B
Source-E-111700-8 11/17/00 11:35 008				
C20-C23	51 J	100	mg/kg	SW846 8015B
C24-C27	130	100	mg/kg	SW846 8015B
C28-C31	260	100	mg/kg	SW846 8015B
C32-C35	380	100	mg/kg	SW846 8015B
C36-C39	390	100	mg/kg	SW846 8015B
Total Carbon Chain Range	1300	100	mg/kg	SW846 8015B
Mercury	0.058 B	0.10	mg/kg	SW846 7471A
Aluminum	12500	20.0	mg/kg	SW846 6010B
Arsenic	6.1	1.0	mg/kg	SW846 6010B
Antimony	0.34 B	6.0	mg/kg	SW846 6010B
Barium	115	2.0	mg/kg	SW846 6010B
Cadmium	1.0	0.50	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

EOK170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-8 11/17/00 11:35 008				
Chromium	23.2	1.0	mg/kg	SW846 6010B
Beryllium	0.40 B	0.50	mg/kg	SW846 6010B
Lead	44.2	0.50	mg/kg	SW846 6010B
Cobalt	8.3	5.0	mg/kg	SW846 6010B
Copper	52.6	2.5	mg/kg	SW846 6010B
Molybdenum	1.0 B	4.0	mg/kg	SW846 6010B
Nickel	20.6	4.0	mg/kg	SW846 6010B
Vanadium	38.5	5.0	mg/kg	SW846 6010B
Zinc	97.9	2.0	mg/kg	SW846 6010B
Source-E-111700-9 11/17/00 11:40 009				
C20-C23	86 J	100	mg/kg	SW846 8015B
C24-C27	180	100	mg/kg	SW846 8015B
C28-C31	340	100	mg/kg	SW846 8015B
C32-C35	420	100	mg/kg	SW846 8015B
C36-C39	500	100	mg/kg	SW846 8015B
C40+	180	100	mg/kg	SW846 8015B
Total Carbon Chain Range	1800	100	mg/kg	SW846 8015B
Mercury	0.063 B	0.10	mg/kg	SW846 7471A
Aluminum	10900	20.0	mg/kg	SW846 6010B
Arsenic	5.9	1.0	mg/kg	SW846 6010B
Barium	113	2.0	mg/kg	SW846 6010B
Cadmium	1.1	0.50	mg/kg	SW846 6010B
Chromium	20.7	1.0	mg/kg	SW846 6010B
Beryllium	0.35 B	0.50	mg/kg	SW846 6010B
Lead	50.1	0.50	mg/kg	SW846 6010B
Cobalt	8.2	5.0	mg/kg	SW846 6010B
Copper	22.9	2.5	mg/kg	SW846 6010B
Molybdenum	0.92 B	4.0	mg/kg	SW846 6010B
Nickel	20.2	4.0	mg/kg	SW846 6010B
Vanadium	34.6	5.0	mg/kg	SW846 6010B
Zinc	126	2.0	mg/kg	SW846 6010B
Source-E-111700-10 11/17/00 11:45 010				
C20-C23	60 J	100	mg/kg	SW846 8015B
C24-C27	140	100	mg/kg	SW846 8015B
C28-C31	270	100	mg/kg	SW846 8015B
C32-C35	350	100	mg/kg	SW846 8015B
C36-C39	440	100	mg/kg	SW846 8015B
C40+	97 J	100	mg/kg	SW846 8015B
Total Carbon Chain Range	1400	100	mg/kg	SW846 8015B

(Continued on next page)

000009

EXECUTIVE SUMMARY - Detection Highlights

E0K170321

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Source-E-111700-10 11/17/00 11:45 010				
Mercury	0.057 B	0.10	mg/kg	SW846 7471A
Aluminum	12900	20.0	mg/kg	SW846 6010B
Arsenic	6.0	1.0	mg/kg	SW846 6010B
Antimony	0.22 B	6.0	mg/kg	SW846 6010B
Barium	113	2.0	mg/kg	SW846 6010B
Cadmium	0.96	0.50	mg/kg	SW846 6010B
Chromium	19.7	1.0	mg/kg	SW846 6010B
Beryllium	0.42 B	0.50	mg/kg	SW846 6010B
Lead	41.4	0.50	mg/kg	SW846 6010B
Cobalt	7.5	5.0	mg/kg	SW846 6010B
Copper	31.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.81 B	4.0	mg/kg	SW846 6010B
Nickel	17.5	4.0	mg/kg	SW846 6010B
Vanadium	37.3	5.0	mg/kg	SW846 6010B
Zinc	91.0	2.0	mg/kg	SW846 6010B

000010

BOE-C6-0168484

METHODS SUMMARY

EOK170321

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

000011

BOE-C6-0168485

SAMPLE SUMMARY

EOK170321

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DP5C3	001	Source-E-111700-1	11/17/00	11:00
DP5C7	002	Source-E-111700-2	11/17/00	11:25
DP5C8	003	Source-E-111700-3	11/17/00	11:10
DP5DA	004	Source-E-111700-4	11/17/00	11:15
DP5DC	005	Source-E-111700-5	11/17/00	11:20
DP5DE	006	Source-E-111700-6	11/17/00	11:25
DP5DF	007	Source-E-111700-7	11/17/00	11:30
DP5DG	008	Source-E-111700-8	11/17/00	11:35
DP5DH	009	Source-E-111700-9	11/17/00	11:40
DP5DJ	010	Source-E-111700-10	11/17/00	11:45

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000012

BOE-C6-0168486

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

GC Semivolatiles

Lot-Sample #....: E0K170321-001 Work Order #....: DP5C31AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:00 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 03:41
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID..: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	ND	100	mg/kg	50
C24-C27	81 J	100	mg/kg	50
C28-C31	150	100	mg/kg	50
C32-C35	180	100	mg/kg	50
C36-C39	190	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	670	100	mg/kg	50
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
Benzo(a)pyrene	88	(60 - 130)		

NOTE(S) :

J Estimated result. Result is less than RL.

000013

BOE-C6-0168487

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

GC Volatiles

Lot-Sample #....: E0K170321-001 Work Order #....: DP5C31AD Matrix.....: SOLID
Date Sampled....: 11/17/00 11:00 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 13:44
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE		RECOVERY		
a,a,a-Trifluorotoluene (TFT)		RECOVERY	LIMITS	(60 - 130)
		68		

000014

BOE-C6-0168488

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

GC/MS Volatiles

Lot-Sample #....: E0K170321-001 Work Order #....: DP5C31AA Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:00 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 14:21
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

(Continued on next page)

000015

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

GC/MS Volatiles

Lot-Sample #....: E0K170321-001 Work Order #....: DP5C31AA Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	RECOVERY LIMITS	
		(70 - 130)	(60 - 140)
Bromofluorobenzene	136 *	(70 - 130)	
1,2-Dichloroethane-d4	94	(60 - 140)	
Toluene-d8	117	(70 - 130)	

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000016

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

GC Semivolatiles

Lot-Sample #....: E0K170321-002 Work Order #....: DP5C71AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time..: 04:21
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID..: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	ND	100	mg/kg	50
C24-C27	89 J	100	mg/kg	50
C28-C31	170	100	mg/kg	50
C32-C35	210	100	mg/kg	50
C36-C39	250	100	mg/kg	50
C40+	56 J	100	mg/kg	50
Total Carbon Chain Range	860	100	mg/kg	50
<u>SURROGATE</u>				
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
Benzo(a)pyrene		RECOVERY	LIMITS	
		82	(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

000017

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

GC Volatiles

Lot-Sample #....: E0K170321-002 Work Order #....: DP5C71AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 14:13
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
PERCENT				RECOVERY
RECOVERY				LIMITS
SURROGATE	93			
a,a,a-Trifluorotoluene (TFT)	(60 - 130)			

000018

BOE-C6-0168492

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

GC/MS Volatiles

Lot-Sample #....: E0K170321-002 Work Order #....: DP5C71AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 14:54
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000019

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

GC/MS Volatiles

Lot-Sample #...: E0K170321-002 Work Order #...: DP5C71AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	111	(70 - 130)		
1,2-Dichloroethane-d4	116	(60 - 140)		
Toluene-d8	108	(70 - 130)		

000020

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

GC Semivolatiles

Lot-Sample #....: E0K170321-003 Work Order #....: DP5C81AD Matrix.....: SOLID
Date Sampled...: 11/17/00 11:10 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
Prep Batch #....: 0325538 Analysis Time...: 05:00
Dilution Factor: 10
% Moisture.....:
Analyst ID.....: 356074 Instrument ID...: G02
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	59 J	100	mg/kg	50
C24-C27	120	100	mg/kg	50
C28-C31	230	100	mg/kg	50
C32-C35	290	100	mg/kg	50
C36-C39	370	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	1200	100	mg/kg	50
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Benzo (a) pyrene	96		(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

000021

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

GC Volatiles

Lot-Sample #....: E0K170321-003 Work Order #....: DP5C81AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:10 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 14:41
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	LIMITS		
	88	(60 - 130)		

000022

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

GC/MS Volatiles

Lot-Sample #....: E0K170321-003 Work Order #....: DP5C81AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:10 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 15:27
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000023

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

GC/MS Volatiles

Lot-Sample #....: E0K170321-003 Work Order #....: DP5C81AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	131 *	(70 - 130)		
1,2-Dichloroethane-d4	116	(60 - 140)		
Toluene-d8	117	(70 - 130)		

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000024

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

GC Semivolatiles

Lot-Sample #....: E0K170321-004 Work Order #....: DP5DA1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:15 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 05:39
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	ND	100	mg/kg	50
C24-C27	93 J	100	mg/kg	50
C28-C31	180	100	mg/kg	50
C32-C35	220	100	mg/kg	50
C36-C39	250	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	830	100	mg/kg	50
<hr/>		PERCENT	RECOVERY	
<hr/>		RECOVERY	LIMITS	
SURROGATE		90	(60 - 130)	
Benzo (a) pyrene				

NOTE(S) :

J Estimated result. Result is less than RL.

000025

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

GC Volatiles

Lot-Sample #....: E0K170321-004 Work Order #....: DP5DA1AE Matrix.....: SOLID
Date Sampled...: 11/17/00 11:15 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 15:10
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE				
a,a,a-Trifluorotoluene (TFT)	PERCENT RECOVERY	RECOVERY LIMITS	(60 - 130)	

Q00026

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

GC/MS Volatiles

Lot-Sample #....: E0K170321-004 Work Order #....: DP5DA1AC Matrix.....: SOLID
 Date Sampled...: 11/17/00 11:15 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 16:00
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000027

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

GC/MS Volatiles

Lot-Sample #....: E0K170321-004 Work Order #....: DP5DA1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
		(70 - 130)	(60 - 140)	(70 - 130)
Bromofluorobenzene	126			
1,2-Dichloroethane-d4	110			
Toluene-d8	116			

000028

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

GC Semivolatiles

Lot-Sample #....: E0K170321-005 Work Order #....: DP5DC1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:20 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 06:58
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	ND	100	mg/kg	50
C24-C27	83 J	100	mg/kg	50
C28-C31	150	100	mg/kg	50
C32-C35	210	100	mg/kg	50
C36-C39	250	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	760	100	mg/kg	50
<hr/>		PERCENT	<hr/>	
<hr/>		RECOVERY	<hr/>	
SURROGATE	RECOVERY	LIMITS	<hr/>	
Benzo(a)pyrene	102	(60 - 130)	<hr/>	

NOTE (S) :

J Estimated result. Result is less than RL.

000029

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

GC Volatiles

Lot-Sample #....: E0K170321-005 Work Order #....: DP5DC1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:20 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 15:38
Dilution Factor: 1
% Moisture.....: Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	LIMITS		
	78	(60 - 130)		

000030

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

GC/MS Volatiles

Lot-Sample #....: E0K170321-005 Work Order #....: DP5DC1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:20 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 16:33
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000031

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

GC/MS Volatiles

Lot-Sample #....: E0K170321-005 Work Order #....: DP5DC1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	125	(70 - 130)
1,2-Dichloroethane-d4	107	(60 - 140)
Toluene-d8	117	(70 - 130)

000032

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

GC Semivolatiles

Lot-Sample #....: E0K170321-006 Work Order #....: DP5DE1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 07:37
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	ND	100	mg/kg	50
C24-C27	65 J	100	mg/kg	50
C28-C31	120	100	mg/kg	50
C32-C35	150	100	mg/kg	50
C36-C39	160	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	570	100	mg/kg	50
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
Benzo (a)pyrene		RECOVERY	LIMITS	
		92	(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

000033

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

GC Volatiles

Lot-Sample #....: E0K170321-006 Work Order #....: DP5DE1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 16:07
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

REPORTING				
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C6-C8	ND	1.0	mg/kg	0.10
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	LIMITS		
	95	(60 - 130)		

000034

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

GC/MS Volatiles

Lot-Sample #....: E0K170321-006 Work Order #....: DP5DE1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0333087
 Prep Date.....: 11/25/00 Analysis Date...: 11/25/00
 Prep Batch #....: 0333249 Analysis Time...: 12:32
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

(Continued on next page)

000035

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

GC/MS Volatiles

Lot-Sample #...: E0K170321-006 Work Order #...: DP5DE1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Bromofluorobenzene	144 *	(70 - 130)		
1,2-Dichloroethane-d4	99	(60 - 140)		
Toluene-d8	116	(70 - 130)		

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000036

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

GC Semivolatiles

Lot-Sample #....: E0K170321-007 Work Order #....: DP5DF1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:30 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 08:16
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	58 J	100	mg/kg	50
C24-C27	140	100	mg/kg	50
C28-C31	260	100	mg/kg	50
C32-C35	400	100	mg/kg	50
C36-C39	300	100	mg/kg	50
C40+	100	100	mg/kg	50
Total Carbon Chain Range	1300	100	mg/kg	50
SURROGATE	PERCENT RECOVERY	RECOVERY		
		LIMITS	(60 - 130)	
Benzo (a) pyrene	80			

NOTE (S) :

J Estimated result. Result is less than RL.

000037

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

GC Volatiles

Lot-Sample #....: E0K170321-007 Work Order #....: DP5DF1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:30 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 16:34
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS	(60 - 130)	
a,a,a-Trifluorotoluene (TFT)	90			

000038

BOE-C6-0168512

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

GC/MS Volatiles

Lot-Sample #....: E0K170321-007 Work Order #....: DP5DF1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:30 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 17:39
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000039

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

GC/MS Volatiles

Lot-Sample #...: E0K170321-007 Work Order #...: DP5DF1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	137 *	(70 - 130)		
1,2-Dichloroethane-d4	118	(60 - 140)		
Toluene-d8	121	(70 - 130)		

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000040

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

GC Semivolatiles

Lot-Sample #....: E0K170321-008 Work Order #....: DP5DG1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:35 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 08:53
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	51 J	100	mg/kg	50
C24-C27	130	100	mg/kg	50
C28-C31	260	100	mg/kg	50
C32-C35	380	100	mg/kg	50
C36-C39	390	100	mg/kg	50
C40+	ND	100	mg/kg	50
Total Carbon Chain Range	1300	100	mg/kg	50
<u>SURROGATE</u>				
<u>Benzo (a) pyrene</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
		98	(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

000041

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

GC Volatiles

Lot-Sample #....: E0K170321-008 Work Order #....: DP5DG1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:35 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 17:02
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS	(60 - 130)	
a,a,a-Trifluorotoluene (TFT)	90			

000042

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

GC/MS Volatiles

Lot-Sample #....: E0K170321-008 Work Order #....: DP5DG1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:35 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 18:12
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000043

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

GC/MS Volatiles

Lot-Sample #....: E0K170321-008 Work Order #....: DP5DG1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1, 2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	134 *	(70 - 130)
1,2-Dichloroethane-d4	117	(60 - 140)
Toluene-d8	116	(70 - 130)

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000044

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

GC Semivolatiles

Lot-Sample #....: E0K170321-009 Work Order #....: DP5DH1AD Matrix.....: SOLID
 Date Sampled...: 11/17/00 11:40 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 09:33
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID..: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>REPORTING</u>			
	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	86 J	100	mg/kg	50
C24-C27	180	100	mg/kg	50
C28-C31	340	100	mg/kg	50
C32-C35	420	100	mg/kg	50
C36-C39	500	100	mg/kg	50
C40+	180	100	mg/kg	50
Total Carbon Chain Range	1800	100	mg/kg	50
<u>SURROGATE</u>				
<u>Benzo(a)pyrene</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
		95	(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

00004\$

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

GC Volatiles

Lot-Sample #....: E0K170321-009 Work Order #....: DP5DH1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:40 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 17:31
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID..: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
PERCENT				RECOVERY
SURROGATE	RECOVERY	LIMITS	(60 - 130)	
a,a,a-Trifluorotoluene (TFT)	92			

000046

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

GC/MS Volatiles

Lot-Sample #....: E0K170321-009 Work Order #....: DP5DH1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:40 Date Received...: 11/17/00 14:30 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 18:45
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSG
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000047

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

GC/MS Volatiles

Lot-Sample #....: E0K170321-009 Work Order #....: DP5DH1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Bromofluorobenzene	137 *	(70 - 130)
1,2-Dichloroethane-d4	118	(60 - 140)
Toluene-d8	119	(70 - 130)

NOTE(S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000048

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

GC Semivolatiles

Lot-Sample #....: E0K170321-010 Work Order #....: DP5DJ1AD Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:45 Date Received...: 11/17/00 14:30 MS Run #.....: 0325291
 Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
 Prep Batch #....: 0325538 Analysis Time...: 10:12
 Dilution Factor: 10
 % Moisture.....:
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C8-C9	ND	100	mg/kg	50
C10-C11	ND	100	mg/kg	50
C12-C13	ND	100	mg/kg	50
C14-C15	ND	100	mg/kg	50
C16-C17	ND	100	mg/kg	50
C18-C19	ND	100	mg/kg	50
C20-C23	60 J	100	mg/kg	50
C24-C27	140	100	mg/kg	50
C28-C31	270	100	mg/kg	50
C32-C35	350	100	mg/kg	50
C36-C39	440	100	mg/kg	50
C40+	97 J	100	mg/kg	50
Total Carbon Chain Range	1400	100	mg/kg	50
<hr/>		PERCENT	<hr/>	
<hr/>		RECOVERY	<hr/>	
SURROGATE	99		RECOVERY	
Benzo (a) pyrene			LIMITS	
			(60 - 130)	

NOTE (S) :

J Estimated result. Result is less than RL.

000049

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

GC Volatiles

Lot-Sample #....: E0K170321-010 Work Order #....: DP5DJ1AE Matrix.....: SOLID
Date Sampled....: 11/17/00 11:45 Date Received...: 11/17/00 14:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332575 Analysis Time...: 17:59
Dilution Factor: 1
% Moisture.....:
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT RECOVERY			
	RECOVERY	LIMITS	(60 - 130)	
a,a,a-Trifluorotoluene (TFT)	95			

000050

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

GC/MS Volatiles

Lot-Sample #....: E0K170321-010 Work Order #....: DP5DJ1AC Matrix.....: SOLID
 Date Sampled....: 11/17/00 11:45 Date Received...: 11/17/00 14:30 MS Run #.....: 0330038
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0330132 Analysis Time..: 19:52
 Dilution Factor: 1
 % Moisture.....:
 Analyst ID.....: 004648 Instrument ID...: MSD
 Method.....: SW846 8260B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromochloromethane	ND	5.0	ug/kg	1.0
Chloroform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000051

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

GC/MS Volatiles

Lot-Sample #....: E0K170321-010 Work Order #....: DP5DJ1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	3.0
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
		(70 - 130)	(60 - 140)	(70 - 130)
Bromofluorobenzene	95			
1,2-Dichloroethane-d4	95			
Toluene-d8	92			

000052

KENNEDY/JENKS CONSULTANTS

Source-E-111700-6

GC/MS Volatiles

Lot-Sample #: E0K170321-006 Work Order #: DP5DE1AC Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

<u>PARAMETER</u>	<u>CAS #</u>	<u>ESTIMATED RESULT</u>	<u>RETENTION TIME</u>	<u>UNITS</u>
None				ug/kg

000053

BOE-C6-0168527

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

TOTAL Metals

Lot-Sample #....: E0K170321-001 Matrix.....: SOLID

Date Sampled...: 11/17/00 11:00 Date Received..: 11/17/00 14:30

% Moisture.....:

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....:	0325261						
Aluminum	10800	20.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AE	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 003119		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0		
Arsenic	5.5	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AF	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		
Antimony	0.24 B	6.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AG	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20		
Barium	107	2.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AH	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Cadmium	0.94	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AJ	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Chromium	17.7	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AK	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Beryllium	0.36 B	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AL	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Lead	40.3	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AM	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30		
Selenium	ND	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C31AN	
		Dilution Factor: 1		Analysis Time...: 17:21	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-1

TOTAL Metals

Lot-Sample #....: E0K170321-001

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AP
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.10		
Cobalt	6.9	5.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AQ
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.10		
Copper	21.8	2.5	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AR
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.40		
Molybdenum	1.6 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AT
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.30		
Nickel	17.3	4.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AU
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.30		
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AV
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.50		
Vanadium	35.1	5.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AW
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 0.10		
Zinc	95.0	2.0	mg/kg		SW846 6010B	11/20-11/21/00	Analyst ID.....: 0031197	DP5C31AX
		Dilution Factor: 1		Analysis Time...: 17:21				
		Instrument ID...: M01		MS Run #.....: 0325107		MDL.....: 1.0		
Prep Batch #....:	0325262							
Mercury	0.069 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	Analyst ID.....: 0210887	DP5C31AO
		Dilution Factor: 1		Analysis Time...: 11:38				
		Instrument ID...: M04		MS Run #.....: 0325109		MDL.....: 0.020		

NOTE (S) :

B Estimated result. Result is less than RL.

000055

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

TOTAL Metals

Lot-Sample #....: E0K170321-002
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS</u>	<u>WORK</u> <u>DATE</u>	<u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>					
Prep Batch #....: 0325261								
Aluminum	11000	20.0	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AF	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 003119	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 8.0	
Arsenic	5.3	1.0	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AG	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40	
Antimony	ND	6.0	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AH	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.20	
Barium	119	2.0	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AJ	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10	
Cadmium	0.82	0.50	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AK	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.050	
Chromium	17.4	1.0	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AL	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10	
Beryllium	0.36 B	0.50	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AM	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.050	
Lead	31.2	0.50	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AN	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30	
Selenium	ND	0.50	mg/kg		SW846 6010B		11/20-11/21/00 DP5C71AP	
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40	

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000056

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-2

TOTAL Metals

Lot-Sample #....: E0K170321-002

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AQ
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Cobalt	8.0	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AR
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Copper	32.0	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AT
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40
Molybdenum	0.94 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AU
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Nickel	17.8	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AV
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AW
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.50
Vanadium	36.2	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AX
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Zinc	71.3	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C71AO
		Dilution Factor: 1			Analysis Time...: 18:06		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 1.0
Prep Batch #....:	0325262						
Mercury	0.073 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	DP5C71AA
		Dilution Factor: 1			Analysis Time...: 11:44		Analyst ID.....: 0210887
		Instrument ID...: M04			MS Run #.....: 0325109		MDL.....: 0.020

NOTE(S) :

B Estimated result. Result is less than RL.

000057

BOE-C6-0168531

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

TOTAL Metals

Lot-Sample #....: E0K170321-003 Matrix.....: SOLID

Date Sampled....: 11/17/00 11:10 Date Received...: 11/17/00 14:30

% Moisture.....:

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....: 0325261							
Aluminum	13800	20.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AF	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 003119		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0		
Arsenic	6.0	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AG	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		
Antimony	0.23 B	6.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AH	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20		
Barium	140	2.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AJ	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Cadmium	1.9	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AK	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Chromium	22.5	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AL	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AM	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Lead	48.6	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AN	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30		
Selenium	ND	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5C81AP	
		Dilution Factor: 1		Analysis Time...: 18:14	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		

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000058

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-3

TOTAL Metals

Lot-Sample #....: E0K170321-003

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AQ
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Cobalt	8.7	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AR
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Copper	34.4	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AT
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40
Molybdenum	1.1 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AU
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Nickel	19.7	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AV
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AW
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.50
Vanadium	41.2	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5C81AX
		Dilution Factor: 1			Analysis Time...: 18:14		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Zinc	728	4.0	mg/kg		SW846 6010B	11/20-11/22/00	DP5C81AO
		Dilution Factor: 2			Analysis Time...: 14:42		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 1.0
Prep Batch #....:	0325262						
Mercury	0.066 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	DP5C81AA
		Dilution Factor: 1			Analysis Time...: 11:46		Analyst ID.....: 0210887
		Instrument ID...: M04			MS Run #.....: 0325109		MDL.....: 0.020

NOTE (S) :

B Estimated result. Result is less than RL.

000059

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

TOTAL Metals

Lot-Sample #....: E0K170321-004
 Date Sampled....: 11/17/00 11:15 Date Received...: 11/17/00 14:30
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	0325261						
Aluminum	14500	20.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AF	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 003119		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0		
Arsenic	5.9	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AG	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		
Antimony	0.47 B	6.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AH	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20		
Barium	146	2.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AJ	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Cadmium	1.1	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AK	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Chromium	23.5	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AL	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Beryllium	0.44 B	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AM	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Lead	33.5	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AN	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30		
Selenium	ND	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DA1AP	
		Dilution Factor: 1		Analysis Time...: 18:20	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		

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000060

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-4

TOTAL Metals

Lot-Sample #....: E0K170321-004

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AQ
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Cobalt	9.6	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AR
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Copper	37.6	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AT
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40
Molybdenum	1.0 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AU
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Nickel	21.5	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AV
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AW
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.50
Vanadium	42.2	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AX
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Zinc	92.5	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DA1AO
		Dilution Factor: 1			Analysis Time...: 18:20		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 1.0
Prep Batch #....:	0325262						
Mercury	0.087 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	DP5DA1AA
		Dilution Factor: 1			Analysis Time...: 13:18		Analyst ID.....: 0210887
		Instrument ID...: M04			MS Run #.....: 0325109		MDL.....: 0.020

NOTE (S) :

B Estimated result. Result is less than RL.

000061

BOE-C6-0168535

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

TOTAL Metals

Lot-Sample #....: E0K170321-005
 Date Sampled....: 11/17/00 11:20 Date Received..: 11/17/00 14:30
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	0325261						
Aluminum	13600	20.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AF
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 003119	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 8.0	
Arsenic	5.4	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AG
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.40	
Antimony	0.25 B	6.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AH
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.20	
Barium	130	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AJ
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.10	
Cadmium	1.2	0.50	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AK
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.050	
Chromium	23.2	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AL
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.10	
Beryllium	0.43 B	0.50	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AM
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.050	
Lead	52.4	0.50	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AN
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AP
		Dilution Factor: 1			Analysis Time...: 18:28	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.40	

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000062

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-5

TOTAL Metals

Lot-Sample #....: E0K170321-005

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AQ
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Cobalt	9.4	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AR
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Copper	28.3	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AT
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.40
Molybdenum	1.1 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AU
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Nickel	21.3	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AV
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.30
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AW
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.50
Vanadium	42.4	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AX
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 0.10
Zinc	83.8	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DC1AO
		Dilution Factor: 1			Analysis Time...: 18:28		Analyst ID.....: 0031197
		Instrument ID...: M01			MS Run #.....: 0325107		MDL.....: 1.0
Prep Batch #....:	0325262						
Mercury	0.073 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	DP5DC1AA
		Dilution Factor: 1			Analysis Time...: 11:47		Analyst ID.....: 0210887
		Instrument ID...: M04			MS Run #.....: 0325109		MDL.....: 0.020

NOTE (S) :

B Estimated result. Result is less than RL.

000063

BOE-C6-0168537

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

TOTAL Metals

Lot-Sample #....: E0K170321-006
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....:	0325261						
Aluminum	12700	20.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AF	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 003119		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0		
Arsenic	9.3	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AG	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		
Antimony	ND	6.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AH	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20		
Barium	134	2.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AJ	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Cadmium	1.2	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AK	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Chromium	21.4	1.0	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AL	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10		
Beryllium	0.41 B	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AM	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050		
Lead	58.5	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AN	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30		
Selenium	ND	0.50	mg/kg	SW846 6010B		11/20-11/21/00 DP5DE1AP	
		Dilution Factor: 1		Analysis Time...: 18:34	Analyst ID.....: 0031197		
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40		

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000064

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-6

TOTAL Metals

Lot-Sample #....: E0K170321-006

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AQ
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Cobalt	8.2	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AR
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Copper	32.5	2.5	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AT
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.40	
Molybdenum	1.9 B	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AU
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Nickel	20.5	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AV
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AW
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.50	
Vanadium	39.8	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AX
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Zinc	135	2.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DE1AO
		Dilution Factor: 1			Analysis Time...: 18:34			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 1.0	
Prep Batch #....:	0325262								
Mercury	0.14	0.10	mg/kg		SW846 7471A			11/22-11/24/00	DP5DE1AA
		Dilution Factor: 1			Analysis Time...: 11:49			Analyst ID.....: 0210887	
		Instrument ID...: M04			MS Run #.....: 0325109			MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000065

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

TOTAL Metals

Lot-Sample #....: E0K170321-007
 Date Sampled....: 11/17/00 11:30 Date Received..: 11/17/00 14:30
 % Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....:	0325261					
Aluminum	11600	20.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AF
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	8.0
Arsenic	4.3	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AG
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.40
Antimony	0.38 B	6.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AH
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.20
Barium	111	2.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AJ
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.10
Cadmium	0.82	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AK
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.050
Chromium	19.6	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AL
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.10
Beryllium	0.39 B	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AM
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.050
Lead	36.5	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AN
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.30
Selenium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DF1AP
		Dilution Factor: 1		Analysis Time...: 18:40	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.40

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000066

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-7

TOTAL Metals

Lot-Sample #....: E0K170321-007

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AQ
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.10
Cobalt	7.9	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AR
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.10
Copper	47.6	2.5	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AT
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.40
Molybdenum	0.93 B	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AU
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.30
Nickel	18.2	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AV
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.30
Thallium	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AW
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.50
Vanadium	38.0	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AX
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	0.10
Zinc	82.7	2.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DF1AO
		Dilution Factor: 1			Analysis Time...: 18:40			Analyst ID.....:	0031197
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....:	1.0
Prep Batch #....:	0325262								
Mercury	0.075 B	0.10	mg/kg		SW846 7471A			11/22-11/24/00	DP5DF1AA
		Dilution Factor: 1			Analysis Time...: 11:51			Analyst ID.....:	0210887
		Instrument ID...: M04			MS Run #.....: 0325109			MDL.....:	0.020

NOTE (S) :

B Estimated result. Result is less than RL.

000067

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

TOTAL Metals

Lot-Sample #....: E0K170321-008
 Date Sampled....: 11/17/00 11:35 Date Received...: 11/17/00 14:30
 % Moisture.....:

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....:	0325261					
Aluminum	12500	20.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AF
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	003119
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	8.0
Arsenic	6.1	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AG
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.40
Antimony	0.34 B	6.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AH
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.20
Barium	115	2.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AJ
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.10
Cadmium	1.0	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AK
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.050
Chromium	23.2	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AL
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.10
Beryllium	0.40 B	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AM
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.050
Lead	44.2	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AN
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.30
Selenium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DG1AP
		Dilution Factor: 1		Analysis Time...: 18:48	Analyst ID.....:	0031197
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....:	0.40

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000068

BOE-C6-0168542

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-8

TOTAL Metals

Lot-Sample #....: E0K170321-008

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Silver	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AQ
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.10	
Cobalt	8.3	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AR
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.10	
Copper	52.6	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AT
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.40	
Molybdenum	1.0 B	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AU
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.30	
Nickel	20.6	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AV
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AW
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.50	
Vanadium	38.5	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AX
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 0.10	
Zinc	97.9	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP5DG1AO
		Dilution Factor: 1			Analysis Time...: 18:48	Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107	MDL.....: 1.0	
Prep Batch #....:	0325262						
Mercury	0.058 B	0.10	mg/kg		SW846 7471A	11/22-11/24/00	DP5DG1AA
		Dilution Factor: 1			Analysis Time...: 11:56	Analyst ID.....: 0210887	
		Instrument ID...: M04			MS Run #.....: 0325109	MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000069

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

TOTAL Metals

Lot-Sample #....: E0K170321-009 Matrix.....: SOLID

Date Sampled....: 11/17/00 11:40 Date Received...: 11/17/00 14:30

% Moisture.....:

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....:	0325261					
Aluminum	10900	20.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AF
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 003119	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0	
Arsenic	5.9	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AG
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AH
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20	
Barium	113	2.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AJ
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10	
Cadmium	1.1	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AK
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050	
Chromium	20.7	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AL
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10	
Beryllium	0.35 B	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AM
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050	
Lead	50.1	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AN
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DH1AP
		Dilution Factor: 1		Analysis Time...: 18:56	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40	

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000070

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-9

TOTAL Metals

Lot-Sample #....: E0K170321-009

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AQ
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Cobalt	8.2	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AR
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Copper	22.9	2.5	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AT
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.40	
Molybdenum	0.92 B	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AU
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Nickel	20.2	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AV
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AW
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.50	
Vanadium	34.6	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AX
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Zinc	126	2.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DH1AO
		Dilution Factor: 1			Analysis Time...: 18:56			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 1.0	
Prep Batch #....:	0325262								
Mercury	0.063 B	0.10	mg/kg		SW846 7471A			11/22-11/24/00	DP5DH1AA
		Dilution Factor: 1			Analysis Time...: 11:57			Analyst ID.....: 0210887	
		Instrument ID...: M04			MS Run #.....: 0325109			MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000071

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

TOTAL Metals

Lot-Sample #....: E0K170321-010 Matrix.....: SOLID
Date Sampled...: 11/17/00 11:45 Date Received...: 11/17/00 14:30
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0325261						
Aluminum	12900	20.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AF
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 003119	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 8.0	
Arsenic	6.0	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AG
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40	
Antimony	0.22 B	6.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AH
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.20	
Barium	113	2.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AJ
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10	
Cadmium	0.96	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AK
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050	
Chromium	19.7	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AL
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.10	
Beryllium	0.42 B	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AM
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.050	
Lead	41.4	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AN
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP5DJ1AP
		Dilution Factor: 1		Analysis Time...: 19:04	Analyst ID.....: 0031197	
		Instrument ID...: M01		MS Run #.....: 0325107	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Source-E-111700-10

TOTAL Metals

Lot-Sample #....: E0K170321-010

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AQ
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Cobalt	7.5	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AR
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Copper	31.4	2.5	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AT
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.40	
Molybdenum	0.81 B	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AU
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Nickel	17.5	4.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AV
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AW
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.50	
Vanadium	37.3	5.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AX
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 0.10	
Zinc	91.0	2.0	mg/kg		SW846 6010B			11/20-11/21/00	DP5DJ1AO
		Dilution Factor: 1			Analysis Time...: 19:04			Analyst ID.....: 0031197	
		Instrument ID...: M01			MS Run #.....: 0325107			MDL.....: 1.0	
Prep Batch #....:	0325262								
Mercury	0.057 B	0.10	mg/kg		SW846 7471A			11/22-11/24/00	DP5DJ1AA
		Dilution Factor: 1			Analysis Time...: 11:59			Analyst ID.....: 0210887	
		Instrument ID...: M04			MS Run #.....: 0325109			MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000073

QC DATA ASSOCIATION SUMMARY

EOK170321

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
002	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
003	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
004	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
005	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
006	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0333249	0333087
	SOLID	SW846 6010B		0325261	0325107
007	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107

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QC DATA ASSOCIATION SUMMARY

EOK170321

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
008	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
009	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0332503	0332234
	SOLID	SW846 6010B		0325261	0325107
010	SOLID	SW846 8015B		0325538	0325291
	SOLID	SW846 8015B		0332575	0332278
	SOLID	SW846 7471A		0325262	0325109
	SOLID	SW846 8260B		0330132	0330038
	SOLID	SW846 6010B		0325261	0325107

000075

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K200000-538
Analysis Date...: 11/22/00
Dilution Factor: 1

Work Order #....: DP7841AA
Prep Date.....: 11/20/00
Prep Batch #....: 0325538
Analyst ID.....: 356074

Matrix.....: SOLID
Analysis Time...: 17:16
Instrument ID...: G02

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B

SURROGATE	PERCENT	RECOVERY	
		RECOVERY	LIMITS
Benzo(a)pyrene	103	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000076

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K200000-538
Analysis Date...: 11/29/00
Dilution Factor: 1

Work Order #....: DP7841AD
Prep Date.....: 11/20/00
Prep Batch #....: 0325538
Analyst ID.....: 356074

Matrix.....: SOLID
Analysis Time.: 02:23
Instrument ID.: G02

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B
SURROGATE	PERCENT	RECOVERY		
		RECOVERY	LIMITS	
Benzo (a) pyrene	83	(60 - 130)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000077

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K250000-132
Analysis Date...: 11/24/00
Dilution Factor: 1

Work Order #....: DQD0N1AA
Prep Date.....: 11/24/00
Prep Batch #....: 0330132
Analyst ID.....: 004648

Matrix.....: SOLID
Analysis Time...: 09:54
Instrument ID..: MSD

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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000078

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321

Work Order #....: DQD0N1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene		90	(70 - 130)	
1,2-Dichloroethane-d4		98	(60 - 140)	
Toluene-d8		92	(70 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000079

BOE-C6-0168553

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K270000-503

Analysis Date...: 11/24/00
Dilution Factor: 1

Work Order #....: DQE0W1AA

Matrix.....: SOLID

Prep Date.....: 11/24/00
Prep Batch #: 0332503

Analysis Time...: 09:15
Instrument ID...: MSG

Analyst ID.....: 004648

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321

Work Order #....: DQE0W1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	<u>RECOVERY</u>
		<u>RECOVERY</u>	<u>LIMITS</u>	<u>LIMITS</u>
Bromofluorobenzene		124	(70 - 130)	
1,2-Dichloroethane-d4		119	(60 - 140)	
Toluene-d8		120	(70 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000081

METHOD BLANK REPORT

GC Volatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K270000-575

Analysis Date...: 11/21/00
Dilution Factor: 1

Work Order #....: DQE9W1AA

Prep Date.....: 11/21/00
Prep Batch #....: 0332575

Analyst ID.....: 001464

Matrix.....: SOLID

Analysis Time...: 12:47
Instrument ID..: G16

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
C6-C8	ND	1.0	mg/kg	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
a,a,a-Trifluorotoluene (TFT)	92	(60 - 130)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000082

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321
MB Lot-Sample #: E0K280000-249
Analysis Date...: 11/25/00
Dilution Factor: 1

Work Order #....: DQFMH1AA
Prep Date.....: 11/25/00
Prep Batch #....: 0333249
Analyst ID.....: 004648

Matrix.....: SOLID
Analysis Time.: 11:50
Instrument ID.: MSG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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000083

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E0K170321

Work Order #....: DQFMH1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1, 2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro-benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	RECOVERY		
		<u>LIMITS</u>		
Bromofluorobenzene	113	(70 - 130)		
1,2-Dichloroethane-d4	109	(60 - 140)		
Toluene-d8	111	(70 - 130)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000084

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MB Lot-Sample #: E0K200000-261 Prep Batch #....: 0325261						
Aluminum	ND	20.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AA
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AC
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AD
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AE
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AF
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Chromium	0.18 B	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AG
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AH
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Lead	0.34 B	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AJ
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AK
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AL
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	11/20-11/21/00	DP64M1AM
		Dilution Factor: 1				
		Analysis Time...: 17:07		Analyst ID.....: 003119	Instrument ID...: M01	

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000085

METHOD BLANK REPORT**TOTAL Metals**

Client Lot #....: E0K170321

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Copper	ND	2.5	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AN
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	
Molybdenum	ND	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AP
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	
Nickel	ND	4.0	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AQ
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	
Thallium	ND	1.0	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AR
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	
Vanadium	ND	5.0	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AT
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	
Zinc	ND	2.0	mg/kg		SW846 6010B	11/20-11/21/00	DP64M1AU
		Dilution Factor: 1					
		Analysis Time...: 17:07			Analyst ID.....: 003119	Instrument ID...: M01	

MB Lot-Sample #: E0K200000-262 Prep Batch #: 0325262

Mercury	ND	0.10	mg/kg	SW846 7471A	11/22-11/24/00	DP64T1AA
		Dilution Factor: 1				
		Analysis Time...: 11:35		Analyst ID.....: 021088	Instrument ID...: M04	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

000086

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: E0K170321 Work Order #....: DP7841AC Matrix.....: SOLID
LCS Lot-Sample#: E0K200000-538
Prep Date.....: 11/20/00 Analysis Date...: 11/22/00
Prep Batch #:....: 0325538 Analysis Time...: 17:55
Dilution Factor: 1 Instrument ID...: G02
Analyst ID.....: 356074

PARAMETER	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
TPH (as Diesel)	250	208	mg/kg	83	SW846 8015B
SURROGATE		PERCENT <u>RECOVERY</u>		RECOVERY <u>LIMITS</u>	
Benzo(a)pyrene		89		(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000087

BOE-C6-0168561

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: E0K170321 **Work Order #....:** DP7841AE **Matrix.....:** SOLID
LCS Lot-Sample#: E0K200000-538
Prep Date.....: 11/20/00 **Analysis Date...:** 11/29/00
Prep Batch #....: 0325538 **Analysis Time..:** 03:02
Dilution Factor: 1 **Instrument ID...:** G02
Analyst ID.....: 356074

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	250	203	0.0	SW846 8015B
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>	
Benzo (a) pyrene		88	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000088

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DQD0N1AC Matrix.....: SOLID
 LCS Lot-Sample#: E0K250000-132
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #:....: 0330132 Analysis Time...: 09:23
 Dilution Factor: 1 Instrument ID...: MSD
 Analyst ID.....: 004648

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
1,1-Dichloroethene	50.0	58.1	ug/kg	116	SW846 8260B
Benzene	50.0	54.1	ug/kg	108	SW846 8260B
Trichloroethene	50.0	52.8	ug/kg	106	SW846 8260B
Toluene	50.0	52.3	ug/kg	105	SW846 8260B
Chlorobenzene	50.0	54.0	ug/kg	108	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	96	(70 - 130)
1,2-Dichloroethane-d4	108	(60 - 140)
Toluene-d8	102	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000089

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DQE0W1AC Matrix.....: SOLID
 LCS Lot-Sample#: E0K270000-503
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #:....: 0332503 Analysis Time...: 09:48
 Dilution Factor: 1 Instrument ID...: MSG
 Analyst ID.....: 004648

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	PERCENT <u>UNITS</u>	RECOVERY	METHOD
1,1-Dichloroethene	50.0	62.1	ug/kg	124	SW846 8260B
Benzene	50.0	60.1	ug/kg	120	SW846 8260B
Trichloroethene	50.0	53.0	ug/kg	106	SW846 8260B
Toluene	50.0	46.8	ug/kg	94	SW846 8260B
Chlorobenzene	50.0	48.0	ug/kg	96	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	113	(70 - 130)
1,2-Dichloroethane-d4	135	(60 - 140)
Toluene-d8	114	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000090

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: E0K170321 Work Order #....: DQE9W1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K270000-575
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #:....: 0332575 Analysis Time...: 12:19
Dilution Factor: 1 Instrument ID...: G16
Analyst ID.....: 001464

PARAMETER	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	PERCENT <u>UNITS</u>	RECOVERY	METHOD
TPH (as Gasoline)	5.00	4.21	mg/kg	84	SW846 8015B
<u>SURROGATE</u>			PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)		107		(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000091

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 **Work Order #....:** DQFMH1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E0K280000-249
Prep Date.....: 11/25/00 **Analysis Date...:** 11/25/00
Prep Batch #....: 0333249 **Analysis Time...:** 11:17
Dilution Factor: 1 **Instrument ID...:** MSG
Analyst ID.....: 004648

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	PERCENT <u>UNITS</u>	RECOVERY	METHOD
1,1-Dichloroethene	50.0	55.8	ug/kg	112	SW846 8260B
Benzene	50.0	51.5	ug/kg	103	SW846 8260B
Trichloroethene	50.0	53.0	ug/kg	106	SW846 8260B
Toluene	50.0	47.4	ug/kg	95	SW846 8260B
Chlorobenzene	50.0	50.0	ug/kg	100	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	106	(70 - 130)
1,2-Dichloroethane-d4	102	(60 - 140)
Toluene-d8	108	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000092

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: E0K200000-261 Prep Batch #....: 0325261							
Aluminum	200	187	mg/kg	94	SW846 6010B	11/20-11/21/00	DP64M1AV
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Arsenic	200	192	mg/kg	96	SW846 6010B	11/20-11/21/00	DP64M1AW
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Antimony	50.0	48.3	mg/kg	97	SW846 6010B	11/20-11/21/00	DP64M1AX
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Barium	200	204	mg/kg	102	SW846 6010B	11/20-11/21/00	DP64M1A0
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Cadmium	5.00	5.35	mg/kg	107	SW846 6010B	11/20-11/21/00	DP64M1A1
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Chromium	20.0	20.9	mg/kg	105	SW846 6010B	11/20-11/21/00	DP64M1A2
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Beryllium	5.00	5.04	mg/kg	101	SW846 6010B	11/20-11/21/00	DP64M1A3
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Lead	50.0	49.6	mg/kg	99	SW846 6010B	11/20-11/21/00	DP64M1A4
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Selenium	200	187	mg/kg	93	SW846 6010B	11/20-11/21/00	DP64M1A5
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01
Silver	5.00	4.96	mg/kg	99	SW846 6010B	11/20-11/21/00	DP64M1A6
			Dilution Factor:	1			
			Analysis Time...:	17:13	Analyst ID.....: 3119		Instrument ID...: M01

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000093

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E0K170321						Matrix.....: SOLID
PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	PREPARATION- ANALYSIS DATE	WORK ORDER #
Cobalt	50.0	52.6	mg/kg	105	SW846 6010B	11/20-11/21/00 DP64M1A7
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Copper	25.0	24.9	mg/kg	100	SW846 6010B	11/20-11/21/00 DP64M1A8
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Molybdenum	100	100	mg/kg	100	SW846 6010B	11/20-11/21/00 DP64M1A9
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Nickel	50.0	52.0	mg/kg	104	SW846 6010B	11/20-11/21/00 DP64M1CA
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Thallium	200	198	mg/kg	99	SW846 6010B	11/20-11/21/00 DP64M1CC
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Vanadium	50.0	50.9	mg/kg	102	SW846 6010B	11/20-11/21/00 DP64M1CD
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
Zinc	50.0	49.6	mg/kg	99	SW846 6010B	11/20-11/21/00 DP64M1CE
			Dilution Factor: 1			
			Analysis Time...: 17:13		Analyst ID.....: 3119	Instrument ID...: M01
LCS Lot-Sample#:	E0K200000-262 Prep Batch #....: 0325262					
Mercury	0.833	0.832	mg/kg	100	SW846 7471A	11/22-11/24/00 DP64T1AC
			Dilution Factor: 1			
			Analysis Time...: 11:36		Analyst ID.....: 021088	Instrument ID...: M04

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000094

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: E0K170321 Work Order #....: DP7841AC Matrix.....: SOLID
LCS Lot-Sample#: E0K200000-538
Prep Date.....: 11/20/00 Analysis Date...: 11/22/00
Prep Batch #:....: 0325538 Analysis Time...: 17:55
Dilution Factor: 1 Instrument ID...: G02
Analyst ID.....: 356074

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	83	(60 - 130)	SW846 8015B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Benzo (a) pyrene	89	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000095

BOE-C6-0168569

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: E0K170321 Work Order #....: DP7841AE Matrix.....: SOLID
LCS Lot-Sample#: E0K200000-538
Prep Date.....: 11/20/00 Analysis Date...: 11/29/00
Prep Batch #....: 0325538 Analysis Time...: 03:02
Dilution Factor: 1 Instrument ID...: G02
Analyst ID.....: 356074

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
TPH (as Diesel)	0.0	(60 - 130)	SW846 8015B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Benzo (a) pyrene	88	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000096

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 **Work Order #....:** DQD0N1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E0K250000-132
Prep Date.....: 11/24/00 **Analysis Date...:** 11/24/00
Prep Batch #....: 0330132 **Analysis Time...:** 09:23
Dilution Factor: 1 **Instrument ID...:** MSD
Analyst ID.....: 004648

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
1,1-Dichloroethene	116	(60 - 150)	SW846 8260B
Benzene	108	(70 - 140)	SW846 8260B
Trichloroethene	106	(70 - 130)	SW846 8260B
Toluene	105	(70 - 130)	SW846 8260B
Chlorobenzene	108	(70 - 130)	SW846 8260B
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>PERCENT</u>	<u>RECOVERY</u>
Bromofluorobenzene	96	(70 - 130)	
1,2-Dichloroethane-d4	108	(60 - 140)	
Toluene-d8	102	(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000097

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DQE0W1AC Matrix.....: SOLID
 LCS Lot-Sample#: E0K270000-503
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #:....: 0332503 Analysis Time...: 09:48
 Dilution Factor: 1 Instrument ID...: MSG
 Analyst ID.....: 004648

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
1,1-Dichloroethene	124	(60 - 150)	SW846 8260B
Benzene	120	(70 - 140)	SW846 8260B
Trichloroethene	106	(70 - 130)	SW846 8260B
Toluene	94	(70 - 130)	SW846 8260B
Chlorobenzene	96	(70 - 130)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	113	(70 - 130)
1,2-Dichloroethane-d4	135	(60 - 140)
Toluene-d8	114	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000098

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: E0K170321 Work Order #....: DQE9W1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K270000-575
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #:....: 0332575 Analysis Time...: 12:19
Dilution Factor: 1 Instrument ID...: G16
Analyst ID.....: 001464

PARAMETER	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	METHOD
TPH (as Gasoline)	84	(80 - 140)	SW846 8015B
SURROGATE	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)	107	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000099

BOE-C6-0168573

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DQFMH1AC Matrix.....: SOLID
LCS Lot-Sample#: E0K280000-249
Prep Date.....: 11/25/00 Analysis Date...: 11/25/00
Prep Batch #....: 0333249 Analysis Time...: 11:17
Dilution Factor: 1 Instrument ID...: MSG
Analyst ID.....: 004648

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
1,1-Dichloroethene	112	(60 - 150)	SW846 8260B
Benzene	103	(70 - 140)	SW846 8260B
Trichloroethene	106	(70 - 130)	SW846 8260B
Toluene	95	(70 - 130)	SW846 8260B
Chlorobenzene	100	(70 - 130)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	106	(70 - 130)
1,2-Dichloroethane-d4	102	(60 - 140)
Toluene-d8	108	(70 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000100

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E0K170321				Matrix.....: SOLID	
<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E0K200000-261	Prep Batch #....:	0325261		
Aluminum	94	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1AV
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Arsenic	96	(75 - 115)	SW846 6010B	11/20-11/21/00	DP64M1AW
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Antimony	97	(75 - 115)	SW846 6010B	11/20-11/21/00	DP64M1AX
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Barium	102	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A0
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Cadmium	107	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A1
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Chromium	105	(85 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A2
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Beryllium	101	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A3
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Lead	99	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A4
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Selenium	93	(70 - 115)	SW846 6010B	11/20-11/21/00	DP64M1A5
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Silver	99	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A6
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01

(Continued on next page)

000101

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	PREPARATION-	
				<u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Cobalt	105	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A7
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Copper	100	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A8
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Molybdenum	100	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1A9
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Nickel	104	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1CA
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Thallium	99	(75 - 120)	SW846 6010B	11/20-11/21/00	DP64M1CC
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Vanadium	102	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1CD
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
Zinc	99	(80 - 120)	SW846 6010B	11/20-11/21/00	DP64M1CE
		Dilution Factor: 1			
		Analysis Time...: 17:13	Analyst ID.....: 3119		Instrument ID...: M01
LCS Lot-Sample#:	E0K200000-262	Prep Batch #....:	0325262		
Mercury	100	(85 - 115)	SW846 7471A	11/22-11/24/00	DP64T1AC
		Dilution Factor: 1			
		Analysis Time...: 11:36	Analyst ID.....: 021088		Instrument ID...: M04

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000102

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DPXLA1AC-MS Matrix.....: SOLID
 MS Lot-Sample #: E0K150287-002 DPXLA1AD-MSD
 Date Sampled...: 11/15/00 08:40 Date Received...: 11/15/00 16:00 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 12:09
 Dilution Factor: 1 % Moisture.....: 100 Analyst ID.....: 004648
 Instrument ID...: MSG

<u>PARAMETER</u>	<u>SAMPLE</u>	<u>SPIKE</u>	<u>MEASRD</u>	<u>PERCENT</u>			<u>METHOD</u>
	<u>AMOUNT</u>	<u>AMT</u>	<u>AMOUNT</u>	<u>UNITS</u>	<u>RECOVERY</u>	<u>RPD</u>	
1,1-Dichloroethene	ND	50.0	65.2	ug/kg	130		SW846 8260B
	ND	50.0	68.6	ug/kg	137	5.2	SW846 8260B
Benzene	ND	50.0	56.2	ug/kg	112		SW846 8260B
	ND	50.0	57.4	ug/kg	115	2.2	SW846 8260B
Trichloroethene	ND	50.0	49.4	ug/kg	99		SW846 8260B
	ND	50.0	51.9	ug/kg	104	4.9	SW846 8260B
Toluene	ND	50.0	47.0	ug/kg	94		SW846 8260B
	ND	50.0	46.9	ug/kg	94	0.19	SW846 8260B
Chlorobenzene	ND	50.0	45.9	ug/kg	92		SW846 8260B
	ND	50.0	45.6	ug/kg	91	0.74	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>		<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene	113	(70 - 130)	
	111	(70 - 130)	
1,2-Dichloroethane-d4	119	(60 - 140)	
	123	(60 - 140)	
Toluene-d8	116	(70 - 130)	
	114	(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000103

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 **Work Order #....:** DP2EQ1AE-MS **Matrix.....:** SOLID
MS Lot-Sample #: E0K160351-027 **:** DP2EQ1AF-MSD
Date Sampled....: 11/16/00 10:55 **Date Received...:** 11/16/00 17:00 **MS Run #.....:** 0330038
Prep Date.....: 11/24/00 **Analysis Date...:** 11/24/00
Prep Batch #....: 0330132 **Analysis Time...:** 15:45
Dilution Factor: 1 **% Moisture.....:** 100 **Analyst ID.....:** 004648
Instrument ID...: MSD

<u>PARAMETER</u>	<u>SAMPLE</u>	<u>SPIKE</u>	<u>MEASRD</u>	<u>PERCENT</u>			
	<u>AMOUNT</u>	<u>AMT</u>	<u>AMOUNT</u>	<u>UNITS</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
1,1-Dichloroethene	ND	50.0	51.9	ug/kg	104		SW846 8260B
	ND	50.0	53.6	ug/kg	107	3.0	SW846 8260B
Benzene	ND	50.0	49.0	ug/kg	98		SW846 8260B
	ND	50.0	49.4	ug/kg	99	0.75	SW846 8260B
Trichloroethene	ND	50.0	57.6	ug/kg	115		SW846 8260B
	ND	50.0	61.7	ug/kg	123	6.9	SW846 8260B
Toluene	ND	50.0	45.4	ug/kg	91		SW846 8260B
	ND	50.0	46.2	ug/kg	92	1.6	SW846 8260B
Chlorobenzene	ND	50.0	46.4	ug/kg	93		SW846 8260B
	ND	50.0	47.8	ug/kg	96	2.9	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>		<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
Bromofluorobenzene	85	(70 - 130)	
	84	(70 - 130)	
1,2-Dichloroethane-d4	99	(60 - 140)	
	99	(60 - 140)	
Toluene-d8	92	(70 - 130)	
	90	(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000104

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

Date Sampled....: 11/17/00 11:00 **Date Received..:** 11/17/00 14:30

<u>SAMPLE</u>	<u>SPike</u>	<u>MEASURED</u>	<u>PERCNT</u>	<u>PREPARATION-</u>	<u>WORK</u>	
<u>PARAMETER</u>	<u>AMOUNT</u>	<u>AMT</u>	<u>RECVRY</u>	<u>ANALYSIS</u>	<u>DATE</u>	<u>ORDER #</u>

MS Lot-Sample #: E0K170321-001 **Prep Batch #....:** 0325261

Aluminum

10800	200	12700	NC	mg/kg	SW846	6010B	11/20-11/21/00	DP5C31A1
10800	200	12700	NC	mg/kg	SW846	6010B	11/20-11/21/00	DP5C31A2
Dilution Factor: 1								
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119	
MS Run #.....: 0325107								

Arsenic

5.5	200	193		mg/kg	94	SW846	6010B	11/20-11/21/00	DP5C31A3	
5.5	200	190		mg/kg	92	1.6	SW846	6010B	11/20-11/21/00	DP5C31A4
Dilution Factor: 1										
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119			
MS Run #.....: 0325107										

Antimony

0.24	50.0	12.0	N	mg/kg	23	SW846	6010B	11/20-11/21/00	DP5C31A5	
0.24	50.0	12.7	N	mg/kg	25	5.5	SW846	6010B	11/20-11/21/00	DP5C31A6
Dilution Factor: 1										
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119			
MS Run #.....: 0325107										

Barium

107	200	327		mg/kg	110	SW846	6010B	11/20-11/21/00	DP5C31A7	
107	200	310		mg/kg	102	5.2	SW846	6010B	11/20-11/21/00	DP5C31A8
Dilution Factor: 1										
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119			
MS Run #.....: 0325107										

Cadmium

0.94	5.00	5.89		mg/kg	99	SW846	6010B	11/20-11/21/00	DP5C31A9	
0.94	5.00	5.87		mg/kg	99	0.20	SW846	6010B	11/20-11/21/00	DP5C31CA
Dilution Factor: 1										
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119			
MS Run #.....: 0325107										

Chromium

17.7	20.0	41.2		mg/kg	118	SW846	6010B	11/20-11/21/00	DP5C31CC	
17.7	20.0	38.2		mg/kg	102	7.6	SW846	6010B	11/20-11/21/00	DP5C31CD
Dilution Factor: 1										
Analysis Time...: 17:35					Instrument ID...: M01		Analyst ID.....: 003119			
MS Run #.....: 0325107										

(Continued on next page)

000105

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

Date Sampled...: 11/17/00 11:00 Date Received..: 11/17/00 14:30

PARAMETER	SAMPLE	SPIKE	MEASURED	UNITS	PERCNT		METHOD	PREPARATION-	WORK
	AMOUNT	AMT	AMOUNT		RECVRY	RPD		ANALYSIS DATE	ORDER #
Beryllium									
	0.36	5.00	5.27	mg/kg	98		SW846 6010B	11/20-11/21/00	DP5C31CE
	0.36	5.00	5.23	mg/kg	97	0.81	SW846 6010B	11/20-11/21/00	DP5C31CF
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Lead									
	40.3	50.0	95.6	mg/kg	111		SW846 6010B	11/20-11/21/00	DP5C31CG
	40.3	50.0	93.2	mg/kg	106	2.5	SW846 6010B	11/20-11/21/00	DP5C31CH
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Selenium									
	ND	200	184	mg/kg	92		SW846 6010B	11/20-11/21/00	DP5C31CJ
	ND	200	182	mg/kg	91	1.1	SW846 6010B	11/20-11/21/00	DP5C31CK
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Silver									
	ND	5.00	4.52	mg/kg	90		SW846 6010B	11/20-11/21/00	DP5C31CL
	ND	5.00	4.55	mg/kg	91	0.70	SW846 6010B	11/20-11/21/00	DP5C31CM
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Cobalt									
	6.9	50.0	57.8	mg/kg	102		SW846 6010B	11/20-11/21/00	DP5C31CN
	6.9	50.0	56.9	mg/kg	100	1.6	SW846 6010B	11/20-11/21/00	DP5C31CP
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Copper									
	21.8	25.0	49.6	mg/kg	111		SW846 6010B	11/20-11/21/00	DP5C31CQ
	21.8	25.0	49.2	mg/kg	110	0.84	SW846 6010B	11/20-11/21/00	DP5C31CR
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								
Molybdenum									
	1.6	100	93.6	mg/kg	92		SW846 6010B	11/20-11/21/00	DP5C31CT
	1.6	100	93.3	mg/kg	92	0.34	SW846 6010B	11/20-11/21/00	DP5C31CU
	Dilution Factor: 1								
	Analysis Time...: 17:35								
	Instrument ID...: M01								
	MS Run #.....: 0325107								

000106

BOE-C6-0168580

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

Date Sampled....: 11/17/00 11:00 **Date Received...:** 11/17/00 14:30

PARAMETER	SAMPLE	SPIKE	MEASURED	UNITS	PERCNT			METHOD	PREPARATION-	WORK										
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	ANALYSIS DATE		ORDER #											
Nickel																				
	17.3	50.0	67.4	mg/kg	100		SW846 6010B	11/20-11/21/00	DP5C31CV											
	17.3	50.0	66.3	mg/kg	98	1.7	SW846 6010B	11/20-11/21/00	DP5C31CW											
	Dilution Factor: 1																			
	Analysis Time...: 17:35 Instrument ID...: M01																			
	MS Run #.....: 0325107																			
Thallium																				
	ND	200	195	mg/kg	98		SW846 6010B	11/20-11/21/00	DP5C31CX											
	ND	200	193	mg/kg	96	1.3	SW846 6010B	11/20-11/21/00	DP5C31C0											
	Dilution Factor: 1																			
	Analysis Time...: 17:35 Instrument ID...: M01																			
	MS Run #.....: 0325107																			
Vanadium																				
	35.1	50.0	86.9	mg/kg	104		SW846 6010B	11/20-11/21/00	DP5C31C1											
	35.1	50.0	85.3	mg/kg	100	1.8	SW846 6010B	11/20-11/21/00	DP5C31C2											
	Dilution Factor: 1																			
	Analysis Time...: 17:35 Instrument ID...: M01																			
	MS Run #.....: 0325107																			
Zinc																				
	95.0	50.0	138	mg/kg	87		SW846 6010B	11/20-11/21/00	DP5C31C3											
	95.0	50.0	138	mg/kg	86	0.12	SW846 6010B	11/20-11/21/00	DP5C31C4											
	Dilution Factor: 1																			
	Analysis Time...: 17:35 Instrument ID...: M01																			
	MS Run #.....: 0325107																			
MS Lot-Sample #: E0K170321-001 Prep Batch #....: 0325262																				
Mercury																				
	0.069	0.167	0.267	mg/kg	118		SW846 7471A	11/22-11/24/00	DP5C31C5											
	0.069	0.167	0.258	mg/kg	113	3.2	SW846 7471A	11/22-11/24/00	DP5C31C6											
	Dilution Factor: 1																			
	Analysis Time...: 11:40 Instrument ID...: M04																			
	MS Run #.....: 0325109																			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

000107

BOE-C6-0168581

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DP5DE1A1-MS Matrix.....: SOLID
 MS Lot-Sample #: E0K170321-006 DP5DE1A2-MSD
 Date Sampled....: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0333087
 Prep Date.....: 11/25/00 Analysis Date...: 11/25/00
 Prep Batch #....: 0333249 Analysis Time...: 13:05
 Dilution Factor: 1 % Moisture.....:
 Instrument ID...: MSG Analyst ID.....: 004648

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			METHOD
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	
1,1-Dichloroethene	ND	50.0	54.6	ug/kg	109		SW846 8260B
	ND	50.0	55.9	ug/kg	112	2.5	SW846 8260B
Benzene	ND	50.0	48.4	ug/kg	97		SW846 8260B
	ND	50.0	51.9	ug/kg	104	7.0	SW846 8260B
Trichloroethene	ND	50.0	40.6	ug/kg	81		SW846 8260B
	ND	50.0	44.4	ug/kg	89	8.9	SW846 8260B
Toluene	ND	50.0	44.8	ug/kg	90		SW846 8260B
	ND	50.0	37.9	ug/kg	76	17	SW846 8260B
Chlorobenzene	ND	50.0	43.9	ug/kg	88		SW846 8260B
	ND	50.0	39.2	ug/kg	78	11	SW846 8260B

SURROGATE	PERCENT		LIMITS
	RECOVERY		
Bromofluorobenzene	132 *		(70 - 130)
1,2-Dichloroethane-d4	109		(70 - 130)
	104		(60 - 140)
	123		(60 - 140)
Toluene-d8	115		(70 - 130)
	107		(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000108

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
TPH (as Diesel)	ND	250	239	mg/kg	96		SW846 8015B
	ND	250	236	mg/kg	94	1.6	SW846 8015B
SURROGATE	PERCENT			RECOVERY			
	<u>RECOVERY</u>			<u>LIMITS</u>			
Benzo (a) pyrene	94			(60 - 130)			
	99			(60 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000109

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: E0K170321 Work Order #....: DP5D51AF-MS Matrix.....: SOLID
MS Lot-Sample #: E0K170326-004 DP5D51AG-MSD
Date Sampled...: 11/17/00 07:00 Date Received...: 11/18/00 10:30 MS Run #.....: 0332278
Prep Date.....: 11/21/00 Analysis Date...: 11/21/00
Prep Batch #....: 0332574 Analysis Time...: 23:11
Dilution Factor: 1 Analyst ID.....: 001464 Instrument ID...: G16

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
TPH (as Gasoline)	ND	5.00	3.87	mg/kg	77 a		SW846 8015B
	ND	5.00	3.75	mg/kg	75 a	3.1	SW846 8015B
<hr/>							
SURROGATE	PERCENT			RECOVERY			
	RECOVERY			LIMITS			
a,a,a-Trifluorotoluene (TFT)	115			(60 - 130)			
	115			(60 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix interference.

Matrix interference.

000110

BOE-C6-0168584

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DPXLA1AC-MS Matrix.....: SOLID
MS Lot-Sample #: E0K150287-002 DPXLA1AD-MSD
 Date Sampled....: 11/15/00 08:40 Date Received...: 11/15/00 16:00 MS Run #.....: 0332234
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0332503 Analysis Time...: 12:09
 Dilution Factor: 1 Analyst ID.....: 004648 Instrument ID...: MSG

PARAMETER	PERCENT	RECOVERY	RPD	LIMITS	METHOD
	RECOVERY	LIMITS			
1,1-Dichloroethene	130	(60 - 150)			SW846 8260B
	137	(60 - 150)	5.2	(0-30)	SW846 8260B
Benzene	112	(70 - 140)			SW846 8260B
	115	(70 - 140)	2.2	(0-30)	SW846 8260B
Trichloroethene	99	(70 - 130)			SW846 8260B
	104	(70 - 130)	4.9	(0-30)	SW846 8260B
Toluene	94	(70 - 130)			SW846 8260B
	94	(70 - 130)	0.19	(0-30)	SW846 8260B
Chlorobenzene	92	(70 - 130)			SW846 8260B
	91	(70 - 130)	0.74	(0-30)	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Bromofluorobenzene	113	(70 - 130)
	111	(70 - 130)
1,2-Dichloroethane-d4	119	(60 - 140)
	123	(60 - 140)
Toluene-d8	116	(70 - 130)
	114	(70 - 130)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000111

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DP2EQ1AE-MS Matrix.....: SOLID
 MS Lot-Sample #: E0K160351-027 DP2EQ1AF-MSD
 Date Sampled...: 11/16/00 10:55 Date Received...: 11/16/00 17:00 MS Run #.....: 0330038
 Prep Date.....: 11/24/00 Analysis Date...: 11/24/00
 Prep Batch #....: 0330132 Analysis Time...: 15:45
 Dilution Factor: 1 Analyst ID.....: 004648 Instrument ID...: MSD

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>		<u>RPD</u>	
1,1-Dichloroethene	104	(60 - 150)			SW846 8260B
	107	(60 - 150)	3.0	(0-30)	SW846 8260B
Benzene	98	(70 - 140)			SW846 8260B
	99	(70 - 140)	0.75	(0-30)	SW846 8260B
Trichloroethene	115	(70 - 130)			SW846 8260B
	123	(70 - 130)	6.9	(0-30)	SW846 8260B
Toluene	91	(70 - 130)			SW846 8260B
	92	(70 - 130)	1.6	(0-30)	SW846 8260B
Chlorobenzene	93	(70 - 130)			SW846 8260B
	96	(70 - 130)	2.9	(0-30)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
	<u>RECOVERY</u>		<u>LIMITS</u>
Bromofluorobenzene	85		(70 - 130)
	84		(70 - 130)
1,2-Dichloroethane-d4	99		(60 - 140)
	99		(60 - 140)
Toluene-d8	92		(70 - 130)
	90		(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000112

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E0K170321

Matrix.....: SOLID

Date Sampled...: 11/17/00 11:00 Date Received..: 11/17/00 14:30

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: E0K170321-001 Prep Batch #....: 0325261							
Aluminum	NC	(80 - 120)		SW846 6010B		11/20-11/21/00	DP5C31A1
	NC	(80 - 120)	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31A2
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Arsenic	94	(75 - 115)		SW846 6010B		11/20-11/21/00	DP5C31A3
	92	(75 - 115) 1.6	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31A4
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Antimony	23 N	(75 - 115)		SW846 6010B		11/20-11/21/00	DP5C31A5
	25 N	(75 - 115) 5.5	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31A6
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Barium	110	(80 - 120)		SW846 6010B		11/20-11/21/00	DP5C31A7
	102	(80 - 120) 5.2	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31A8
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Cadmium	99	(80 - 120)		SW846 6010B		11/20-11/21/00	DP5C31A9
	99	(80 - 120) 0.20	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31CA
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Chromium	118	(85 - 120)		SW846 6010B		11/20-11/21/00	DP5C31CC
	102	(85 - 120) 7.6	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31CD
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					
Beryllium	98	(80 - 120)		SW846 6010B		11/20-11/21/00	DP5C31CE
	97	(80 - 120) 0.81	(0-25)	SW846 6010B		11/20-11/21/00	DP5C31CF
		Dilution Factor: 1					
		Analysis Time...: 17:35		Instrument ID...: M01		Analyst ID.....: 003119	
		MS Run #.....: 0325107					

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000113

BOE-C6-0168587

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

Date Sampled....: 11/17/00 11:00 Date Received..: 11/17/00 14:30

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Lead	111	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CG
	106	(80 - 120)	2.5	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CH
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Selenium	92	(70 - 115)			SW846 6010B	11/20-11/21/00	DP5C31CJ
	91	(70 - 115)	1.1	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CK
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Silver	90	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CL
	91	(80 - 120)	0.70	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CM
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Cobalt	102	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CN
	100	(80 - 120)	1.6	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CP
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Copper	111	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CQ
	110	(80 - 120)	0.84	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CR
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Molybdenum	92	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CT
	92	(80 - 120)	0.34	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CU
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Nickel	100	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CV
	98	(80 - 120)	1.7	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31CW
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Thallium	98	(75 - 120)			SW846 6010B	11/20-11/21/00	DP5C31CX
	96	(75 - 120)	1.3	(0-25)	SW846 6010B	11/20-11/21/00	DP5C31C0
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					

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000114

BOE-C6-0168588

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E0K170321

Matrix.....: SOLID

Date Sampled...: 11/17/00 11:00 Date Received..: 11/17/00 14:30

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
						<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Vanadium	104	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31C1
	100	(80 - 120) 1.8 (0-25)			SW846 6010B	11/20-11/21/00	DP5C31C2
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
Zinc	87	(80 - 120)			SW846 6010B	11/20-11/21/00	DP5C31C3
	86	(80 - 120) 0.12 (0-25)			SW846 6010B	11/20-11/21/00	DP5C31C4
		Dilution Factor: 1					
		Analysis Time...: 17:35			Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 0325107					
MS Lot-Sample #:	E0K170321-001	Prep Batch #....:	0325262				
Mercury	118	(80 - 120)			SW846 7471A	11/22-11/24/00	DP5C31C5
	113	(80 - 120) 3.2 (0-20)			SW846 7471A	11/22-11/24/00	DP5C31C6
		Dilution Factor: 1					
		Analysis Time...: 11:40			Instrument ID...: M04		Analyst ID.....: 021088
		MS Run #.....: 0325109					

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

000115

BOE-C6-0168589

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E0K170321 Work Order #....: DP5DE1A1-MS Matrix.....: SOLID
 MS Lot-Sample #: E0K170321-006 DP5DE1A2-MSD
 Date Sampled...: 11/17/00 11:25 Date Received...: 11/17/00 14:30 MS Run #.....: 0333087
 Prep Date.....: 11/25/00 Analysis Date...: 11/25/00
 Prep Batch #....: 0333249 Analysis Time...: 13:05
 Dilution Factor: 1 Analyst ID....: 004648 Instrument ID...: MSG

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	109	(60 - 150)			SW846 8260B
	112	(60 - 150)	2.5	(0-30)	SW846 8260B
Benzene	97	(70 - 140)			SW846 8260B
	104	(70 - 140)	7.0	(0-30)	SW846 8260B
Trichloroethene	81	(70 - 130)			SW846 8260B
	89	(70 - 130)	8.9	(0-30)	SW846 8260B
Toluene	90	(70 - 130)			SW846 8260B
	76	(70 - 130)	17	(0-30)	SW846 8260B
Chlorobenzene	88	(70 - 130)			SW846 8260B
	78	(70 - 130)	11	(0-30)	SW846 8260B
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS			
Bromofluorobenzene	132 *	(70 - 130)			
1,2-Dichloroethane-d4	109	(70 - 130)			
	104	(60 - 140)			
	123	(60 - 140)			
Toluene-d8	115	(70 - 130)			
	107	(70 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000116

BOE-C6-0168590

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: E0K170321 Work Order #....: DP5D51AC-MS Matrix.....: SOLID
MS Lot-Sample #: E0K170326-004 DP5D51AD-MSD
Date Sampled...: 11/17/00 07:00 Date Received...: 11/18/00 10:30 MS Run #.....: 0325291
Prep Date.....: 11/20/00 Analysis Date...: 11/22/00
Prep Batch #....: 0325538 Analysis Time...: 21:10
Dilution Factor: 1 Analyst ID.....: 356074 Instrument ID...: G02

PARAMETER	PERCENT	RECOVERY	RPD	LIMITS	METHOD
	<u>RECOVERY</u>	<u>LIMITS</u>			
TPH (as Diesel)	96	(60 - 130)			SW846 8015B
	94	(60 - 130)	1.6	(0-35)	SW846 8015B
SURROGATE	PERCENT	RECOVERY			
	<u>RECOVERY</u>	<u>LIMITS</u>			
Benzo(a)pyrene	94	(60 - 130)			
	99	(60 - 130)			

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000117

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Gasoline)	77 a 75 a	(80 - 140) (80 - 140)	3.1	(0-40)	SW846 8015B SW846 8015B
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>		<u>RECOVERY LIMITS</u>	
a,a,a-Trifluorotoluene (TFT)		115		(60 - 130)	
		115		(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix interference.

Matrix interference.

000118